

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 145  | (boundary adj scan) and ((four\$3 near2 input) near6 (multiplex?r MUX))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/12/25 13:40 |
| L2    | 89   | (boundary adj scan) and ((four\$3 near input) near2 (multiplex?r MUX))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/12/25 13:41 |
| L3    | 47   | l2 and shift and capture  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/12/25 13:41 |
| L4    | 45   | l3 and mode with control  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/12/25 13:42 |
| S2    | 1    | "5914616".pn.   | USPAT   | OR               | ON      | 2006/02/22 11:15 |
| S3    | 50   | ("6266793" "5768289" "5781560"<br>"5281864" "6122762" "5576657"<br>"5644261" "6125464" "6813737"<br>"6877121" "5490151" "6314539"<br>"6430718" "6032279" "5428626"<br>"6266801" "5631912" "5805609"<br>"5841792" "5898704" "5706297"<br>"5222068" "5574730" "5598421"<br>"5668492" "5708773" "6028983"<br>"6356107" "5656953" "5715254"<br>"5715255" "5732091" "5852364"<br>"5880595" "5883524" "5938783"<br>"6055659" "5701307" "5847561"<br>"5859860" "5872908" "6378095"<br>"6694465" "5909453" "5744949"<br>"6073254" "6658632" "6671860"<br>"5202625" "5495487").pn. | USPAT   | OR               | ON      | 2006/03/01 09:49 |
| S4    | 4    | 2-bit with (boundary adj scan)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/22 11:53 |
| S5    | 1    | ("2"?bit) with (boundary adj scan)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/22 11:54 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S6  | 1    | ("2"?bit) with (boundary adj scan)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22 11:54 |
| S7  | 0    | (S2 adj bit) with (boundary adj scan)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22 11:54 |
| S8  | 161  | (SEC and DED) and exceed  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 12:30 |
| S9  | 15   | (SEC and DED) same exceed                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/27 16:38 |
| S10 | 2    | "20050166109"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 09:10 |
| S11 | 5450 | JTAG "1149.1"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 09:11 |
| S12 | 2537 | S11 and multiplex?r   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 09:11 |
| S13 | 2638 | S11 and (multiplex?r MUX)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 09:11 |
| S14 | 1069 | S11 and (multiplex?r MUX) and<br>(bidirectional bi-directional) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 09:12 |
| S15 | 641  | S14 and ((core adj logic) ASIC IP)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 09:13 |

## EAST Search History

|     |          |   |   |    |    |                  |
|-----|----------|---|---|----|----|------------------|
| S16 | 323      | S14 and ((core adj logic) ASIC IP) and (test adj (vector pattern))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 10:07 |
| S17 | 164      | S14 and ((core adj logic) ASIC IP) and (test adj (vector pattern))    | USPAT   | OR | ON | 2006/02/28 11:39 |
| S18 | 15888921 | all "0"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:28 |
| S19 | 0        | (all near2 (one "1" zero "0")) with (test testing tester tested)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:29 |
| S20 | 0        | (all near2 (one "1" zero "0")) same (test testing tester tested)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:30 |
| S21 | 11       | (all near2 (one "1" zero "0")) and (test testing tester tested)       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:31 |
| S22 | 29409    | (data near4 (one "1" zero "0")) and (test testing tester tested).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:33 |
| S23 | 28333    | (input near4 (one "1" zero "0")) and (test testing tester tested).ab. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:33 |
| S24 | 20505    | (input near2 (one "1" zero "0")) and (test testing tester tested).ab. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:34 |
| S25 | 31703    | (only near2 (one "1" zero "0")) and (test testing tester tested).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:34 |

## EAST Search History

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S26 | 3013 | (only near2 (one "1" zero "0")) and (test testing tester tested).ab. and "714"/\$.ccor.                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 11:34 |
| S27 | 163  | S14 and ((core adj logic) ASIC IP) and (test adj (vector pattern)) and select\$4                         | USPAT   | OR | ON | 2006/02/28 11:41 |
| S28 | 106  | S14 and ((core adj logic) ASIC IP) and (test adj (vector pattern)) and select\$4 and (boundary adj scan) | USPAT   | OR | ON | 2006/02/28 11:42 |
| S29 | 1    | (boundary adj scan) and ((EXTEST and INTEST) same (operate function) same independent\$3)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 09:51 |
| S30 | 0    | (boundary adj scan) and ((EXTEST and INTEST) same (operate function) same separat\$4)                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 10:17 |
| S31 | 1    | (boundary adj scan) and ((EXTEST and INTEST) same (operate function) same (sa?e adj time))               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 10:18 |
| S32 | 103  | (boundary adj scan) and ((four\$3 adj input) with (multiplex?r MUX))                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/02 11:00 |
| S33 | 29   | (SEC and DED) and exceed and (flag with error)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 12:30 |
| S34 | 26   | (SEC and DED) and exceed and (flag with error)   | USPAT   | OR | ON | 2006/03/01 12:30 |
| S35 | 48   | dubey.in.  | US-PGPUB  | OR | ON | 2006/03/01 16:12 |
| S36 | 3    | dubey.in. and (boundary adj scan) and rohit.in.  | US-PGPUB  | OR | ON | 2006/03/01 17:34 |
| S37 | 2    | "20040267479"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/01 17:34 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S39 | 133 | (boundary adj scan) and (((four\$3 near2 input) near6 (multiplex?r MUX))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/25 13:40 |
| S40 | 130 | (boundary adj scan) and (((four\$3 near input) with (multiplex?r MUX))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/25 13:40 |
| S41 | 0   | (boundary adj scan) and (multiplex?r MUX) and shift and capture and update and bufer and pad and ((mode adj control) with (multiplexer multipelor MUX)) and ((first and second and third and fourth) with (multiplexer multilpelor MUX))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/25 22:03 |
| S42 | 0   | (boundary adj scan) and (multiplex?r MUX) and shift and capture and update and bufer and pad and ((mode adj control) with (multiplexer multiplexor MUX)) and ((first and second and third and fourth) with (multiplexer multiplexor MUX)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/25 22:04 |
| S43 | 0   | (boundary adj scan) and (multiplex?r MUX) and shift and capture and update and bufer and pad and ((mode adj control) with (multiplexer multiplexor MUX))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/25 22:04 |
| S44 | 0   | (boundary adj scan) and (multiplex?r MUX) and shift and capture and update and bufer and pad and ((mode near4 control) with (multiplexer multiplexor MUX))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/25 22:05 |
| S45 | 0   | (boundary adj scan) and (multiplex?r MUX) and shift and capture and update and bufer and pad and ((mode with control) with (multiplexer multiplexor MUX))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/25 22:24 |
| S46 | 2   | "20060064608"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/26 08:08 |
| S47 | 2   | "6578168".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/26 11:11 |
| S48 | 326 | thermometer adj code  | US-PGPUB  | OR | ON | 2006/09/26 11:11 |

## EAST Search History

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S49 | 84 | (thermometer adj code).clm.                                    | US-PGPUB  | OR | ON | 2006/09/26 11:12 |
| S50 | 21 | (test tester testing tested) with<br>(bi\$directional adj pad) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/26 16:12 |
| S51 | 2  | "6578168".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/09/26 16:12 |